

ICS 03.100.01

CCS A02



**NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

GB/T 42725-2023

**Specification for international trade business process - Verified
gross mass**

国际贸易业务流程规范 经核实的载货集装箱总质量

Issued on: May 23, 2023

Implemented on: September 1, 2023

**Issued by: State Administration for Market Regulation;
Standardization Administration of the PRC**

Table of Contents

1 Scope	1
2 Normative references	1
2 Abbreviations	2
2 Business boundaries	2
3 Business Requirements View	4
11 Reference	13

Foreword

This document is in accordance with the provisions of GB/T 1:1-2020 "Guidelines for Standardization Work Part 1: Structure and Drafting Rules for Standardization Documents" drafting: Please note that some contents of this document may refer to patents: The issuing agency of this document assumes no responsibility for identifying patents: This document is proposed and managed by the National Electronic Business Standardization Technical Committee (SAC/TC83): This document is drafted by: Shenzhen Kunxin International Freight Forwarding Co., Ltd., Guangzhou Yuanxin International Holdings Co., Ltd., Kaiyu Digital Technology Information Technology (Beijing) Co., Ltd., Xiamen Denghan International Ship Management Co., Ltd., Jiaying Dadi Logistics Co., Ltd., Zhejiang Yijingtong E-Commerce Services Co., Ltd., Beijing Zhongbiao Zongheng Standard Technology Co., Ltd., China National Institute of Standardization, Shanghai Xinjingcheng International Logistics Co., Ltd., Zhonghua Fujian Maritime Safety Administration of the People's Republic of China, National Customs Information Center (National Customs Electronic Customs Clearance Center), the Third Research Institute of the Ministry of Public Security, Xinjiang Agricultural University School of Transportation and Logistics Engineering, Dalian Wanfa United Aviation Trade Technology Co., Ltd., Shanghai Yitong International Co., Ltd., North China University of Technology, China Federation of Logistics and Purchasing International Freight Forwarding Branch, Fujian Institute of Technology: The main drafters of this document: Lin Jian, Zhang Yinfen, Lin Zhong, Sui Yuan, Lin Ting, Yao Shuhong, Wang Xiang, Zhu Tong, Su Yi, Guo Jiangzhu, Shi Kan, Cao Jianfeng, Jin Xufeng, Kang Shuchun, Chen Zheng, Yao Weihua, Ge Ju, Shi Yuntao, Hu Sufang, Yu Huizhu, Liu Meng, Huang Shu, Huang Meifang:

The purpose of this document is to comply with the requirements of chapter 6 of the International Convention for the Safety of Life at Sea (SOLAS) Business Processes, Business Transactions and Information Entities of Quality (VGM) are standardized for use by all actors/actors in the supply chain: A business process is a detailed description of the

respective expected roles of the participants, the way in which business relationships are established and responsibilities are shared so that they can Effective interaction with the support of the information system: Every business transaction is realized through the exchange of business documents (also known as messages): These The sequence of usage of the messages constitutes a specific instance of the scenario and is presented as a use case in the documentation: Business messages are composed of information entities, representing A business view of the structure and content of data to be exchanged between participants: This document also provides verified VERMAS scope of use: VERMAS can be used in domestic and international trade, which is based on prevailing commercial practices and is not subject to business or industry classification: VERMAS function definition: VERMAS is used by different parties at different times in the transmission chain, rather than dedicated to specific defined process steps: For example, as far as the supply chain is concerned, including cargo containers transported on ocean-going ships, VERMAS allows The law of Regulation 2 of Chapter VI Part A requires the submission of verified gross mass of the cargo and supporting information: VERMAS field of application: VERMAS is used for both domestic and international applications, with administrative, commercial and transport-related Based on prevailing practice, independent of business or industry classification: VERMAS usage principles: VERMAS usage principles include the following aspects:

---VERMAS contains the total mass (VGM) of the verified cargo transport equipment (such as sea containers), and the requirements for obtaining VGM The time, place and method, responsible party, and reference information required by the receiving party for processing the VGM:

---VERMAS is used to transmit information related to the transport equipment attached to the determined transport transfer:

--- According to mutual agreement, VERMAS can be used to exchange messages between any two parties in the transmission chain: VERMAS sender You can obtain VGM yourself, or forward VGM from a third party: Each party in the transmission chain can be Sender or receiver of VERMAS:

---The only mandatory information in VERMAS refers to the transport equipment and VGM value: All other information is optional and its transmission Depends on the role of the sender and receiver in the transmission chain: The sender and receiver shall agree on the exchanged information and reference information unanimous:

---VERMAS is only a message dedicated to the transmission of VGM and directly related information in accordance with SOLAS requirements, not used for loading Unloading operation instructions are not used to report empty containers:

--- According to the nature of the goods, VERMAS is also used for sending temperature control, dangerous goods identification, non-standard size, operation requirements, etc:

Cargo transport attributes: International trade business process specification Verified gross mass of loaded container

1 Scope

GB/T 42725-2023 specifies the business process for the verified gross mass of a loaded container. SOLAS has required since 2016 that a container's actual weight be verified and declared before it may be loaded, a rule written after ships were lost and stacks collapsed because declared weights were guesses. The verification is done by the shipper and has to reach the carrier and the terminal before the box arrives, which makes it a message problem rather than a weighing one. The standard sets the scenario and business boundaries, the business requirements with the requirements table, the business terms and the requirement views, and the message definition. It took effect on 1 September 2023.

This document gives an introduction to scenarios related to the verified gross mass (VGM) of loaded containers in the course of international trade business, It also stipulates requirements such as business requirements and message definitions: This document applies to administrative services related to cross-border trade and transportation business, information exchange between business entities, and also applies to container transportation Construction, development and operation of the digital service platform:

2 Normative references

The contents of the following documents constitute the essential provisions of this document through normative references in the text: Among them, dated references For documents, only the version corresponding to the date is applicable to this document; for undated reference documents, the latest version (including all amendments) is applicable to this document:

GB/T 18811 Basic Terms of Electronic Commerce

3 Terms, Definitions and Abbreviations 3: